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**Amendments to the Specification:**

Please replace the paragraph beginning at page 10, line 6 with the following amended paragraph:

FIG. 7 illustrates the above-described methods 70 in the form of a flow diagram. A spectral vibration amplitude alarm curve 2 is established at step 72 for a rotating object for a particular rotation speed and at a particular operating parameter(s) such as a particular load value and/or a particular temperature. Actual spectral vibration amplitude data 22 is acquired at step ~~72~~74 at an actual rotation speed and at actual value(s) of operational parameter(s). The actual data is normalized 23 at step 76 to account for the difference between the particular rotation speed of the alarm curve and the actual rotation speed. The alarm curve is adjusted (3, 4, 5) at step 78 to account for the difference between the particular operating parameter value(s) of the alarm curve and the actual operating parameter value(s). The object is then evaluated at step 80 by comparing the normalized data to the adjusted alarm curve.